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APPLICATION OF REMOTE SENSING

CR-147162

FOR FISHERY RESOURCE

ASSESSMENT AND MONITORING

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SKYLAB EXPERIMENT NO. 240

CONTRACT NO. T-8217B

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FOR FISHERY RESOURCE ASSESSMENT AND
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PROGRESS REPORT NO. 18

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APPLICATION OF REMOTE SENSING
FOR FISHERY RESOURCE
ASSESSMENT AND MONITORING

INTRODUCTION

This is report #18 of a series of progress reports required by the Statement of Work for Skylab Experiment #240 entitled "Application of Remote Sensing for Oceanic Gamefish Assessment and Monitoring" under Contract No. T-8217B.

ITEMS RECEIVED FROM NASA/JSC

1. Earth Resources Data Format Control Book (TR543) Vol. II, Rev. A
2. Twenty (20) Skylab digital magnetic tapes containing S192 data.

OVERALL STATUS

A. S192

The reprocessed S192 tapes were received on June 26, 1975. The tapes were given to NASA (ERL) on June 30, 1975, and are presently in a data processing/reduction cycle which has been scheduled to be completed in approximately six weeks. ERL will provide radiance values for each 25 square mile test area not having clouds from each of the 13 spectral channels. This data will be correlated to and regressed against the white marlin distribution values in order to determine if any relationships exist.

B. Other

1. A paper entitled "The Feasibility of Utilizing Remotely Sensed Data to Assess and Monitor Oceanic Gamefish" was completed and given at the Earth Resources Survey Symposium June 8-13, 1975.

2. A second paper entitled "Fisheries Utilization of Remotely Sensed Data" was completed and presented at the Purdue Symposium June 3-5, 1975.
3. Attachment A and B are copies of both papers.
4. Continued development of S192 analysis software.

EXPECTED ACCOMPLISHMENTS

Completion of S192 analysis software will be accomplished in the next month. Continued work on the S192 data processing/reduction during the next 6-week period.